

6.2 Wearable Antenna



OBJECTIVES:

- Develop wideband wearable antenna design
 - Support JTRS as well as existing radios
 - Lower observability of radio operators

PAYOFF:

- Low-visible signature VHF/UHF antenna
- Easier integration of JTRS

TECHNICAL APPROACH:

- Take advantage of NPS and SSC-SD work on wide-band copper mesh material antennas
- Characterize gain at various aspects
- Characterize vertical and horizontal polarization
 - Satisfactory performance at most user orientations
- Test for user safety
 - User safety documented, Brooks AFB, Sep 02
- Ruggedize design.

Tasks	FY01	FY02	FY03	FY04
Antenna Development		△		
Performance Testing		△		
User Safety Testing	△	△		
Transferred to US Army			△	

PERFORMER: SSC-SD